#1248

DATE 10-30-95)

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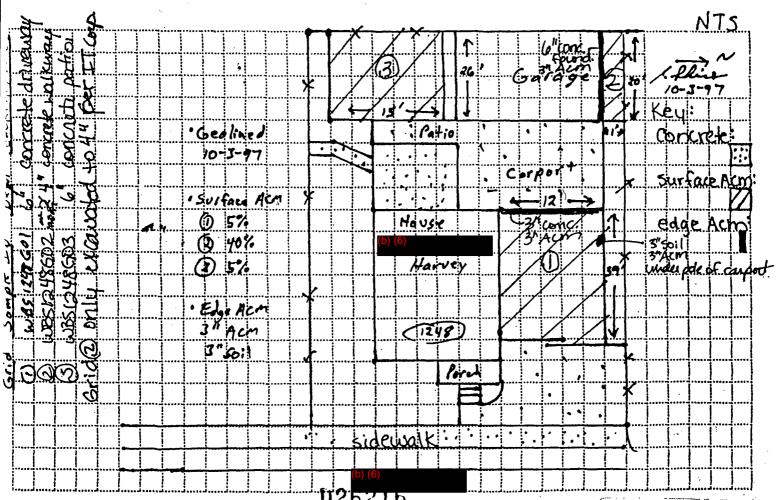
WESTBANK ACM REMOVAL PROJECT SAMPLE ANALYSIS CONFIRMATION USEPA START TEAM

TE#	1248	•	ADDRESS:	(b) (6)	
·			· · · · · · · · · · · · · · · · · · ·	Harvey	

WERE EVALUATED BY THE USEPA START TEAM ON NO analytical 050 10.3.97

BASED ON AN EVALUATION OF THE ANALYTICAL DATA, WE RECOMMEND THE FOLLOWING ACTION:

5 6 GRID #: 7 A. PROCEED WITH RESTORATION: B. FURTHER ACTION NECESSARY:



T25216

06-1248-060

6330 East 75th Street, Suite 152 Indianapolis, Indiana 46250 Phone (317) 570-5892 Fax (317) 570-5894



Attn.: Maggie Lin
Ecology & Environmental

11550 New Castle Avenue Baton Rouge, LA 70816 Tuesday, October 07, 1997

Ref Number: IN971295

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 020601 WESTBANK ASBESTOS

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SAMPLE	LOCATION	APPEARANCE	SAMPLE TRÉATMENT	ASBE	STOS TYPE	%	NONASBE FIBROUS	STOS % NONFIBROU	
2474 ALIE MARKET TALE TOWNS	LOCATION	AFFEARANCE	, , , ,	1975				1 4 Tra/Det	
WBS1455G04	(b) (6)	Brown	:Crushed	1 < 1% Chi				40% Quartz	
!		Non-Fibrous		. < 1% Cro	ocidolite			60% Other	
!	9	Homogeneous	100 K	į.	10	1			
7±% #=%	• •			!	68	. 3.	92)	* *	
WBS1248G01	(b) (6)	Brown	:Crushed	i < 1% Ch	rvsatile			80% Quartz	
- 57		Non-Fibrous	Ciosilea	!	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			20% Other	
í.		Homogeneous		7.		1		1755 - 1754 - 1754 - 1755 - 1755 - 1755 - 1755 - 1755 - 1755 - 1755 - 1755 - 1755 - 1755 - 1755 - 1755 - 1755 -	
		Homogeneous		1		1		2 E	
I Li tana				e v		¥8		*	
/ WBS1248G02	2	Brown	Crushed	40% Ch	rysotile	j.		20% Quartz	
*13	8	Non-Fibrous	· ·			i		40% Other	
		Homogeneous		ì		l.			
						. !	2/2		
The state of the s		•		* 0		3 5W		100 AF 14	
WBS1248G03		Brown	Crushed		rrysotile	1	a 9	40% Quartz	
;		Non-Fibrous	02	1% Cr	ocidolite			57% Other	
, · *		Homogeneous		ı		ı		e S	
o v ² esa ¹²	Ş.			[4		* * * * * * * * * * * * * * * * * * * *	
ilini				:				2222	
WBS1432G01	(b) (6)	Brown	Crushed	< 1% Ct	rrysotile			40% Quartz	
		Non-Fibrous	:			i		60% Other	
		Homogeneous		i			9	996 8	
		(/ -	9 (90) W W	.1 .		1		R x	
WB\$1312G01	(b) (6)	. Brown	. Crushed	30% C	hrysotile			40% Quartz	
	(b) (6) GR	Non-Fibrous	S. Wallou		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			30% Other	
		Homogeneous	W	3.00					
[] §		· initioRettend2		- 1	93			برجاد بينه المراج ا	

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method

Jane Wasilewski Analyst

026217

Approved Signatory

Discipliners: PLM has been known to mise aspectos in a small percentage of samples which contain aspectos. Thus negative PLM results cannot be guaranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tasted. This report may only be reproduced in full with written approved by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government, All INVLAP reports with NVLAP logo must constant at least one argument to be valid, Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze teyered samples.

Analysis performed by EMSL of Indianapolis (NVLAP & part Bulk #20018940)



FIELD DATA SHEET 1

Site Information:	•
Occupant:	Interviewee: Cor/
Address: (b) (6)	Horvey
Phone No.:	
Owner Name, Address, and Phone No. if Different	Than Occupant;
Site Description:	
l) Description of property (circle): (single home vacant house; vacant lot; other	duplex; business; school; daycare; church;
Problems accessing yards (circle): locked gat resolution:	e; gate; dogs; other
3) Underground utilities installed by owner? (circle septic tank; other Summing Park Note location on site sketch.	
4) Is any underground ACM present? (circle): ye If yes, note on site sketch. How deep?	s; no; don't know
Site Sketali:	Hoop bare // includes about 6th worker 6th // includes about 6th worker 6th // includes about 6th // includes
Estimated Volume of ACM:	
Comments:	
Date/Time of Interview: 7/1/47 (12)	Access Granted (circle): yes; no
	Money er arriver (est et al. 1999) 110
Team Members: 4> C>4	0< 1249 016

# of ADVF's Requested 6 Par	ish # 1340	Source # 8572	8	ADVF#	12/95			
I. TYPE OF NOTIFICATION (CIR	CCLE ONE)	ORIGINAL	REVISE	D CANCELI	20 -20-20 20 -20-20 20 -20-20 20-20 20-20 20-20-20 20 20-20 20-20 20-20 20-20 20-20 20-20 20 20 20-20 20 20-20 20 20 20 20 20 20 20 20 20 20 20 20 2			
II. FACILITY INFORMATION	water a water and war and an annual	Contact: John	Martin	Sertementa esta france proposa e la recola norm	Varie de la la benda destada de aprile de la constanta			
OWNER NAME: U.S. EPA Region 6		Telephone: 214-665-2270						
Mailing Address: 1445 Ross Ave				. •	and the state of			
City: Dallas	A PORT OF THE CONTRACT OF THE	State: TX	Management purposes of the contract of the	Zip: 75202	- Taraba Maring - En a Standard and Application of the Standar			
REMOVAL CONTRACTOR: Quality Env	vironmental Constr.	La. Contractor's L	iscense #: 26445	DEQ ID #: 7S00008	and manage of the seconds.			
Address: 113 Ondine Lane	· · · · · · · · · · · · · · · · · · ·		the second results of the second	Andrew Control of the	manational in manageric agencylopuschy of may			
City: Slidell	The second of th	State: LA	· maraner and marketymore	Zip: 70456	mand of a transfer of the state			
Contact: Gerald Avery	eter Comertine dangs hydric tosses out top sender meganhines dissertation ensure	Telephone: 504-646-0039						
OTHER OPERATOR:	manifold a samp or as twenty a speciment was to	DEQ Project	Designer #:	- Comment of the Comm	and the same of th			
Address:	Committee and the committee of the commi		The Copyright aboption to Copyrights of Six	ارگ در دور ای در این	TO THE STATE OF TH			
City:	ann mad party of the second sequence	State:	* - This manufactured april	-Zip:	is a first to the state of the same of the			
Contact:		Telephone:						
III. TYPE OF OPERATION (CIRCLE OF	NE) Demo	Ordered Dem	no Renov	ation Emerg	ency Reno			
IV. IS ASBESTOS PRESENT? (CIRCLE	E ONE) YES NO	Inspection Da	ate: Jan Apr.	. 1996	in Albertana o			
Inspector's Name: Debra Bendily (LDE)	Q)	Inspector's A	ccreditation #	: 610685	WYS.			
V. FACILITY DESCRIPTION (Inclu	ide building name, num	ber, and floor	or room numb	er)				
Building/Component Name: Home (1248)	ger militaria de la seria	Fire Marshal	l Project #:	and California Control of the con-	and it			
Street Address: (b) (6)	The state of the s	ne e comme man man de parech de pare	de na monte entre authority pagent displaying	em entre del esperante del esperante de la companya	Company of the Company			
City: Harvey St	ate: La.	Zip: 70058	Ammy or sugal by nyon	Parish: Jefferso	n			
Site Location: of Home	anne rennem er er de som i Frinciskope oper er e sis	Telephone: N	IA		grand to the contract of the c			
Building Size: NA #	of Floors: NA	Age in Years	:: NA	Appendix to the particular and the second se				
Present Use: NA	and the second second	Prior Use: N.	Α	Stephinology (Carlos September 1997)	r. ಬಾಣೇಕು <u>ಟ್</u> ನ			
VI. PROCEDURE INCLUDING ANAL OF ASBESTOS MATERIAL: Bulk Samp	YTICAL METHOD IF	APPROPRIA /R-93/116		DETECT THE I				
VII. APPROXIMATE AMOUNT OF ASBESTOS, INCLUDING: Regulated ACM to be removed Category I ACM not removed Category II ACM not removed	ACM to be Removed	Nonfriable A Material Not Removed	to be	Indicate Unit M Below	leasurement			
and the second s	the second secon	Cat I	Cat II	UNIT				
Pipes			T DOMEST	Ln Ft:	Ln m: The day			
Surface Area		6223	and faith one for the Alberta passing and	Sq Ft:	Sq m:			
Vol RACM off Facility Component	a to the second of the second			Cu Ft: 972	Cu yds: 36			
VIII. SCHEDULED DATES ASBESTOS REMOV	VAL (MM/DD/YY)	Start: 8/26/9	7	Complete: 9/30)/97			
IX. SCHEDULED DATES DEMO/RENOVATI	ON (MM/DD/XY)	Start: 8/26/9	7	Complete: 9/30/97				

X. DESCRIPTION OF PLAN Excavation of residential proper	INED DEMOLITION OR RENO ties utilizing standard construction	VATION WORK AND METHOD techniques.	O(s) TO BE USED:					
And the control of th	to the second	man is a second of the contract of the contrac	entertraps - consert consert remark transportation of the conservation of the conserva					
OF ASBESTOS AT THE DEM	OLITION AND RENOVATION :	RING CONTROLS TO BE USED SITE: ions for engineering control. Amb	pient air monitoring/sampling					
WIII DO CONTRACTO COMO SE	man	The constitution is approximate the description of the constitution of the constitutio	Section of the Committee of the Committe					
XII. WASTE TRANSPORTER	X#1	eri ingangananin (ingangga). Anangga ingangga ingangga ingangga ingangga ingangga ingangga ingangga ingangga i	1. 1786 L. 1078 L.					
Name: Beverly Industries, Inc.	Epitemoky of a promi ik protestoriu, immyyhmen i spisiajek	Contact Person: A. J. Phillip, Sr.	The second secon					
Address: P. O. Box 9016 9 Mil	le Point	errennelski i med i demonskilat integral til det errenne og på hædelige menskaftenhende ptil giftelsk (m. c.)	ACCORDED TO SALED TO THE STATE OF THE SALED TO THE SALED					
City: Bridge City	State: LA	Zip: 70094	Telephone#: (504)527-1686					
WASTE TRANSPORTER	t #2	en e parenciales anno en como e en como en esperante por esperante por entre en como en entre en como en entre	والمحافظة المحافظة ال					
Name: B & S Equipment Co., Is	1C.	Contact Person: Billy Ryals	en de la					
Address: 1713 Winchester Place	The second secon	mounted after 1 set to address 1 sec. The moster 2 sec. of the sec. of the parameter against a department and the sec. of the	e handland for fill fill and a second of the second					
City: Harvey	State: LA	Zip: 70058	Telephone #: (504) 340-2091					
XIII. WASTE DISPOSAL SIT	E:	oderkom i virilinin die inderstellende van de Schiederschaffere agai	The state of the s					
Name: Jefferson Parish Landfill (Kelvin Landfill)								
Location: 5800 Avondale 90 W	est - Cases	The second second	e de le les bara en la vel					
City: Avondale	State: LA	Zip: 70094	Telephone: (504)436-0244					
XIV. IF DEMOLITION ORDE	RED BY A GOVERNMENT AG	ENCY, PLEASE IDENTIFY TH	E AGENCY:					
Name:	Andrew Andrew Control of the Control	Title:	Authority:					
Date of order (MM/DD/YY)	mana de accidente de la companione de la	Date ordered to begin (MM/DD	YYY)					
XV. FOR EMERGENCY REN	IOVATIONS	Historian territoria de proporta de la compania de La compania de la compania del compania del compania de la compania del la compania de la compania del la compania de la compania de la compania del la compania de la compania del la compani	and the second s					
Date and hour of emergency (M	M/DD/YY):	* * * · · · · · · · · · · · · · · · · ·	(the second sec					
Description of the Sudden, Une	xpected Event:	A CONTROL OF THE PROPERTY OF T	The state of proceedings the 3 metrical and analysis of the projection of the state					
Explanation of how the event ca	used unsafe conditions or would	cause equipment damage (or an ur	reasonable financial burden):					
XVI. DESCRIPTION OF PROCEDUR NONFRIABLE ASBESTOS MATERIA	LES TO BE FOLLOWED IN THE EVENT	T THAT UNEXPECTED ASBESTOS IS ZED, OR REDUCED TO POWDER.						
Crew will use wet methods to co			T. W. C. CATHLEST CO. C.					
augh promoter which publication of the street of the promote agreement required in the street	DUAL TRAINED IN THE PROVISIONS IRING THE DEMOLITION OR RENOV. WILL BE AVAILABLE FOR INSPECT	OF THIS REGULATION (LAC 33:III.C) ATION AND EVIDENCE THAT THE RI ION DURING NORMAL BUSINESS HO on behal Properator/Contractor)	napter 27, Appendix A / 40 CFR PART 6, EQUIRED TRAINING HAS BEEN DURS. of of EPA 8/21/97					
XVIII. I CERTIFY THAT THE ABOV	E INFORMATION IS CORRECT	era pro notrogensiamente. El entre turbita l'eximitar repromissión etter a esca depositioniques	(Date)					
nordandu si iransiriningu Kapus ikusadhanda pu	(Signature of Ow		If of EPA 8/21/97 (Date)					
PURSUANT TO R.S.40:1574 A&B, BE ADV REVIEWED BY THE OFFICE OF THE ST	ISED THAT NO CONSTRUCTION OR REL ATE FIRE MARSHALL OR IT IS DETERN	NOVATION CAN BEGIN UNTIL THE PLAI IINED BY THAT OFFICE THAT PLANS AI	NS AND SPECIFICATIONS ARE RE NOT REQUIRED TO BE SUBMITTED.					
REMIT TO: DEQ/AIR QUALITY	/ DIV. P.O. BOX 82135 - BATON R	ROUGE 70884-2135 TELEPHON	E# (504) 765-0895					
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전역은 **네**

Property Owner's Name:	(5) (5)			·.	· 	
Property's Address:		`_	Harvey			
State/Zin:	Phone Number(s):		361-2729	7		

I hereby consent to officers, employees, and parties authorized by the United States

Environmental Protection Agency (EPA) entering and having continued access to my propert for the following purposes:

- 1. The taking of such soil, water and air samples as may be determined to be necessary;
- 2. Other actions related to the investigation of surface or subsurface contamination;
- 3. The performance of a response action including, but not limited to, the following actions:
 - a. Use of mechanical equipment (c.g. small buildozers, backhoes, or trackhoes and trucks) on the property;
 - b. Removal of asbestos-contaminated material from the property;
 - Replacement of removed asbestos-containing material with a like-material (i.e., clean fill, crushed limestone) and regrading of the replaced material to the property's original grade;
 - d. The replacement with locally-available vegetation of any sod, bushes, or trees whose removal was a necessary part of the removal action, and;
 - e. The taking of other actions necessary to mitigate releases or threats of releases of hazardous substances, pollutants or contaminants from the property.

I realize that these actions are undertaken pursuant to EPA's response responsibilities under the Comprehensive Environmental Response, Compensation, and Liability Act, as amended (CERCLA), 42 U.S.C. § 9601 et seq. Under those authorities, EPA can only remediate and restore contaminated property, and it legally cannot improve a property beyond removing hazardous substances located on such a property.

This written permission is given by me voluntarily with knowledge of my right to refuse and without threats or promises of any kind. By signing this access agreement I am not waiving any rights in law or in equity I may have against any person or party in connection with the response action EPA will perform.

(b) (6)

7-7-97 DATE

SIGNATIRE

THE RESERVE THE RESERVE THE PARTY OF THE PAR

ATE OF LOUISIANA

PARTMENT OF ENVIRONMENTAL BUALITY
R QUALITY DIVISION O. Box 82135 ton Rouge, Louisiana 70884-2135

ADVE NO. 98443 OO A PRINCOW FACILITY COPE F1340 83728 554

ASPESTOS DISPUGAL VERI	FICATION FORM
FROJECT LOCATION & STREET ADDRESS - ZIF	1 3) ISSUE DATE 1 1 2 208/25/97
	4 4) EXPIRATION DATE TO A
PROJECT PHONE ()	
CONTRACTOR'S NAME & MATLENG ADDRESS - 2	
GUALITY ENVIRON: CONTRACTORS 113 ONDINE LANE SLIDELL LA - 70458	OB/26/97 PROJECT COMPLETE DATE
CONTRACTOR'S PHONE (304) 646 0039	+ O9/30/97 - 1 19/09 13
OWNER'S NAME AND MAILING ADDRESS - ZIP	(11) ESTIMATED ACH QUANTITY DE
JOHN MANSVILLE PROJ2 WESTBANK MULTIPLE SITES - LA - 70000	O FTO SG FT972 CU FI LIZ) DESIGNATED DISPOSAL SITE
) DWNER PHONE (214) 665 2270	AMER WASTE-JEFF BAR
) PRINTEDZIYPED NAME UMAS F. AIRHART, SR.	CAT STONATURE CAT
**************************************	**************************************
) DISPOSAL SITE	
MER WASTE JAPE POR LANDELL I DATE SHIPPED	SHIPPING CLASSIFICATION Asbestos, Class 9, NA2212,111 R0 = 1 lb (;454 kg)
PRINTED/TYPED NAME	21) SIGNATURE
WARREN WAR	KRAYAKARAKARAKARAKA ZAKARAKARAKA
DATE RECEIVED	(23) DATE DELIVERED
I) PRINTED/TYPED NAME	26) STONATURE
NDFILL DELL SECTION OF THE SECTION	BRUNDERSKRIPER BERNES STATES S
) PRINTED/TYPED NAME	(129)) RIGNATURE
) SPECIAL CONDITIONS OR COMMENTS:	06_1248_300

PARTMENT OF ENVIRONMENTAL BUALITY ADVE ND. 98443 O1 [PRISLOW R QUALITY DIVISION FACILITY CODE 1340-85728-554 .O. Box 82135 ton Rouge, Leuislana 70884-2135 ASPECTOS DISPOSAL VERIFICATION FORM PROJECT LOCATION & STREET ADDRESS = ZIP | 3) ISSUE DATE 1248 00/21/97 A) - EXPIRATION DATE EROJEET FAIDNES (123) CONTRACTOR S NAME & MAILING ADDRESS - ZIP 7) PROJECTNIMARI DATE QUALITY ENVIRON. CONTRACTORS
113 ONDINE LANE 08/26/97 8L 1DELL - LA - 70458 PROJECT COMPLETE DATE CONTRACTOR'S PHONE (804) 646 0039 09/30/97 OWNER'S NAME AND MAILING ADDRESS - ZIP 11) ESTIMATED ACM QUANTITY O FTO SQ FT972 EU FT JOHN MANSVILLE PROJ2 WESTBANK MULTIPLE BITES - LA - 20000 12) DEBIGNATED DISPOSAL STIE OWNER PHONE (214) 663 2270 AMER WASTE-JETT MARY) PRINTED/TYPED NAME 14) BIGHATURE IOMAS F. AIRHART, SR. ·本水体水水量等。 MER/OPERATOR 16) GUANTITY TO DATE PEONECT SHIPPED // COMPLETED DISPOSAL SITE 10-2-7 BHIPPING CLASSIFICATION TO A Asbestos, Class 7, NA2212.111 RG * 1 16 (.454 Kg) MERWSTE JEFF PAR JANOFILL

DATE SHIPPED 10-2-972) PRINTED/TYPED NAME 1) SIGNATURE SAVE JURGUN MANTUKE ... Special states and the second) DATE RECEIVED 23) - DATE DELTUERED // __ 」 2000 // Company NDF ILL 27) DATE BURTEDLE S. 1 98 200) QUANTITY RECEIVED 1) PRINTED/TYPED NAME 29 L SIGNATURE 06-1248-300) SPECIAL CONDITIONS OR CONTENTS.

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ATE OF LOUISIANA

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ATE OF LOUISIANA ADVE NO. 98443 02 C PARTMENT OF ENVIRONMENTAL QUALITY PRILLOW R. GUALITY DIVISION ENCILITY CODE O. Box 82138 fon Rouge, Louistane 70884-2135 1340/85728 554 ASPESTOS DISPOSAL VERIFICATION FORM PROJECT LOCATION & STREET ADDRESS - ZIP 3) ISSUE DATE (4) EXPIRATION DATE 11/29/97 PROJECT PHONE () CONTRACTOR: 8 MAME & MAILING ADDRESS = ZIP | Z) PROJECT START DATE 08/26/97 **GUALITY ENVIRON. CONTRACTORS** 113 ONDINE LAME STATES PROJECT COMPLETE DATE 09/30/97 CONTRACTOR 8 PHONE (504) 646 0039 OWNER'S NAME AND MAILING ADDRESS - ZIP - 11) ESTIMATED ACH QUANTITY ... 10 FT0 BQ FT972 EU JOHN MANSVILLE PROJ2 WESTBANK MULTIPLE SITES - LA - 70000 12) DESIGNATED DISPUSAL 1911E DWHER PHONE (214) 665 2270 AMER WASTE-JEFF PAR) PRINTEDATYFED NAME 14) SIGNATURE OMAS F. AIRHART, BK. O DATE PROJECT NER/OFERATOR WASTE TRANSPORTER SHIPPED DISPUSAL BITE MEK WASTE JEFS PAK-LANDE 14 Asbestos, Class 9, MAZZIZ 111 DATE SHIPPED RO # 1 16 (.#34 Kg) 21) BIGNATURE) FRINTED/TYPED NAME DATE RECEIVED 23) DATE DELIVERED , I) PRINTED/TYPED KOME 29) BIGNATURE

Action Miles Section 1884

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) SPECIAL CONDITIONS OF COMMENTS:

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06-1248-300

ATE OF LOUISIANA PARTMENT OF ENVIRONMENTAL GUALITY ADVE NO. 98443 03 b R GUALITY DIVISION PRILLOW .O. Box 82135 FACILITY CODE 1340 85728 854 ton Rouge, Louisiana 70884-2135 ASPESTOS DISFUSAL VERIFICATION FORM PROJECT LOCATION & STREET ADDRESS - ZIP . 1-3) ISSUE DATE .: * 68/25/97 (4) EXFIRATION DATE PROJECT PHONE (3) 2511/25/97 CONTRACTOR S NAME & MAILING ADDRESS - ZTP 3/37) MERCUECT START DATE A 08/26/97 WUALITY ENVIRON. CONTRACTORS 113 DADINE LANE 28 33 SEIDELL - LA - 70458 PROJECT COMPLETE DATE S CONTRACTOR (B PHONE (504) 646 0039 09/30/97 OWNER'S NAME AND MATEING ADDRESS - ZIP 11) ESTIMATED ACM QUANTITY IO ETO SO FT972 CUET JOHN MANSVILLE PROJ2 WEBTBANK # MILTIPLE BITES - LA - 70000 12) DESIGNATED DISPOSAL SITE OWNER PHONE (214) 665 22/0 - 5 AMER WASTE-JEFF PAR (14) SIGNATURE PRINTEDATYPED NAME Chas F. Airhart, er (16) QUANTITY (17) DATE PROJECT SHIPPED / COMPLETED A MER WASTE-JEFE PAR-LENDELL ASSESSOR CLASSIFICATION ASSESSOR CLASSIFICATION ROLL CLASSI DATE SHIPPED) PRINTED/TYPED NAME THE 21) BIGNATURE TANSTAN WILLIAM 23) DATE DEL IVERED DATE RECEIVED IN PRINTED/TYPED WAR NDFTI 1 DOWNTITY RECEIVED (27) DATE BURIED DEFRINTED/TYPED NAME (1 29) SIGNATURE 06-1248-300) SPECIAL CONDITIONS OR COMMENTS. 126238

6330 East 75th Street, Suite 152 Indianapolis, Indiana 46250 Phone (317) 570-5892 Fax (317) 570-5894



Attn.: Maggie Lin
Ecology & Environmental

11550 New Castle Avenue Baton Rouge, LA 70816 Tuesday, October 07, 1997

Ref Number: IN971295

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 020601 WESTBANK ASBESTOS

			SAMPLE	13	ASBESTOS		NONASBESTOS		
SAMPLE	LOCATION	APPEARANCE	TREATMENT	. %	TYPE	%	FIBROUS	% /	NONFIBROUS
WB\$1455G04	(b) (6)	Brown	Crushed	< 1	% Chrysotile				Quartz
•		Non-Fibrous		. < 1	% Crocidalite			60%	Other
!	ř.	Homogeneous	45	1		i			
	1.	E F		ŗ.		os I			
WBS1248G01	(b) (6)	Brown	Crushed	i <1	% Chrysotile			80%	Quartz
•		Non-Fibrous		:	THE CONTRACTOR	•		20%	Other
1		Homogeneous		1		.*			
3						1	360		
WBS1248G02		Brown	Crushed	. 40	% Chrysotile	!		20%	Quartz
		Non-Fibrous	Granica	1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	i			Other
		Homogeneous	-0. - 0.	i		1			
i n o n			.0		v .	. !			
in paragona			:			000		400/	
WBS1248G03		Brown	Crushed	1	2% Chrysotile	1			Quartz
i		Non-Fibrous	*	1	1% Crocidolite	i		31 76	Other
. No	2050	Homogeneous		ļ		•			
E. 34 E.	200		# #			57			
WB\$1432G01	(b) (6)	Brown	Crushed	<	1% Chrysotile				Quartz
		Non-Fibrous	\$			i		60%	Other
X		Homogeneous		į					
	Ŷ.	*		. i	2	i	C		
WBS1312G01	(b) (6)	Brown	Crushed	7. 3	0% Chrysotile	****		40%	Quartz
8		Non-Fibrous			er en				Other
		Homogeneous							

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method

Jane Wasilewski Analyst

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Approved Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be gueranteed. Floor tiles and wipes should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in full with written approved by EMSL. The above test not be used by the crient to ottaim product endorsement by NVLAP not any agency of the United States Government, All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze leyered samples.

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6330 East 75th Street, Suite 152 Indianapolis, Indiana 46250 Phone (317) 570-5892 Fax (317) 570-5894

EMSL.

Attn.: Maggie Lin

Ecology & Environmental 11550 New Castle Avenue Baton Rouge, LA 70816 Tuesday, October 07, 1997

Ref Number: IN971295

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 020601 WESTBANK ASBESTOS

	28							
			SAMPLE	ASB	ESTOS		ESTOS	
SAMPLE	LOCATION	APPEARANCE	TREATMENT	%	TYPE	%	FIBROUS	% NONFIBROUS
WBS1455G04	b) (6)	Brown	Crushed	1 < 1% C	hrysotile			40% Quartz
1 :		Non-Fibrous		. < 1% C	rocidolite			60% Other
1 .		Homogeneous	(10)	î .		i		10
			:					
WBS1248G01	0) (6)	Brown	Crushed	1 < 1% C	hrysotile	j	W	80% Quartz
OR		Non-Fibrous						20% Other
1		Homogeneous				*		
M .						ı		
		5 <u>24</u> 5	*	400/ 5		6		20% Quartz
!WBS1248G02		Brown	Crushed	1 40% C	hrysotile	i		40% Other
		Non-Fibrous	* **	!		1		40% U(nai
27		Homogeneous)		1		
8		387	*	d 300 3		o !		
WBS1248G03		Brown	Crushed	2% C	Chrysotile	* 1		40% Quartz
;		Non-Fibrous	39	1% C	rocidolite	î	•	57% Other
		Homogeneous	25	1		1		
			8	l		¥		*
WBS1432G01**	(b) (6)	Brown	Crushed	< 1% 0	Chrysotile			40% Quartz
	(1) (0)	Non-Fibrous	i			:		60% Other
1 2		Homogeneous		i		2		•
e (m) 122		10	\$ 5842 S\$ 520			l		2 h 10 m
WB\$1312G01	(h) (6)	Brown		7 2006				40% Quartz
11001012001	(b)	Non-Fibrous	Crushed	. 30% (Chrysotile	:		30% Other
)		Homogeneous		Ħ				SO A CILIBI
lo N		1 IOI IOGGIIGOUS		E.				

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method

Jane Wasilewski Analyst

Approved Signatory

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EMEL

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Ecology & Environmental

11550 New Castle Avenue Baton Rouge, LA 70816 Tuesday, October 07, 1997

Ref Number: IN971295

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: 020601 WESTBANK ASBESTOS

			SAMPLE	ASBES	sros	NONASBESTO			ž	
SAMPLE	LOCATION	APPEARANCE	TREATMENT	%	TYPE	%	FIBROUS	%	NONFIBROUS	
WBS1455G04	b) (6)	Brown	Crushed	1 < 1% Chr	/aotile				Quartz	
i direction		Non-Fibrous	50	< 1% Croc	cidolite			60%	Other	
!		Homogeneous	¥	:		i				
(· ·	h) (C)	969 19	:	:						
WBS1248G01	b) (6)	Brown	Crushed	1 < 1% Chr	ysotile	ì		80%	Quartz	
		Non-Fibrous		1		i	*	20%	Other	
1		Homogeneous					7.			
		3		32		i				
WBS1248G02		Brown	Crushed	40% Chr	elitoav			20%	Quartz	
		Non-Fibrous		3,500	AD15555174 03	i			Other	
		Homogeneous		ĺ	60	1			C.	
1967 B		2000 00 00 00 00 00 00 00 00 00 00 00 00	•0			. !				
WBS1248G03		B	Crushed	2% Chr	- motile	4		40%	Quartz	
111001240000		Brown Non-Fibrous	Crusned .	1% Cro	S	1			Other	
i		Homogeneous	*		Quoine.	i			- Outer	
k	•%	1 ioinogeneous				3				
7	fi		# #			*6				
WBS1432G01	(b) (6)	Brown	Crushed	< 1% Chi	ysotile		376		Quartz	
		Non-Fibrous	÷	47		į		60%	6 Other	
		Homogeneous		i		33				
	EST SOCIETY					i				
WB\$1312G01	(b) (6)	Brown	Crushed	30% Ch	rysotile	V 63			6 Quartz	
1	(5)	Non-Fibrous		7		\$12 2		30%	6 Other	
1		Homogeneous		i						

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples also analyzed by ELAP 198-1 Method

Jane Wasilewski Analyst

Approved Signatory

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